

REMARKS/ARGUMENTS

Reexamination of the captioned application is respectfully requested.

A. SUMMARY OF THIS AMENDMENT

By the current amendment, Applicants basically:

1. Rewrite claims 3, 12, and 18 as independent claims.
2. Cancel claims 1 – 2, 11, and 16- 17 without prejudice or disclaimer.
3. Thank the Examiner for the indication of allowable subject matter in claims 4-10, 12-15 and 20-25.
4. Respectfully traverse all prior art rejections.

B. PATENTABILITY OF THE CLAIMS

Claims 1-3, 11, 16-19, 26 and 27 under 35 USC §103(a) as being unpatentable over U.S. Patent 5,786,727 to Sigmon (Fig. 1) in view of Applicants' alleged admitted prior art. All prior art rejections are respectfully traversed for at least the following reasons.

Claims 3, 12, and 18 have been rewritten as independent claims. Applicants note that the subject matter of dependent claim 12 was indicated as allowable. Dependent claim 12 concerns driving at least two Chireix pairs in outphasing mode over different parts of the dynamic range of the composite amplifier. Since this subject matter also resides in dependent claims 3 and 18, for sake of consistency claims 3 and 18 are deemed allowable as well and therefore have been rewritten as independent claims.

The office action inconsistently appears to reject claims 3 and 18 on the alleged grounds that element 40 of Sigmon is a “means for driving at least two Chireix pairs by drive signals having amplitude dependant phase over at least a part of the dynamic range of the composite amplifier”. However, the allegation is technically incorret. As explained

in Applicants' January 24, 2007 response, element 40 of Sigmon is only a power divider and accordingly does not generate an amplitude dependant phase. Sigmon's element 40 produces two signals in-phase with the input signal and one signal that is delayed a quarter wavelength (column 2, lines 40-45) without considering input signal amplitude. Thus, the supposed combination of Sigmon with the "admitted prior art" is incomplete and unavailing.

Thus, independent claims 3, 12, and 18 and claims dependent thereon are all deemed allowable.

C. MISCELLANEOUS

In view of the foregoing and other considerations, all claims are deemed in condition for allowance. A formal indication of allowability is earnestly solicited.

The Commissioner is authorized to charge the undersigned's deposit account #14-1140 in whatever amount is necessary for entry of these papers and the continued pendency of the captioned application.

Should the Examiner feel that an interview with the undersigned would facilitate allowance of this application, the Examiner is encouraged to contact the undersigned.

Respectfully submitted,

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